BRUHATH BENGALURU MAHANAGARA PALIKE,DASARAHALLI ZONE

Office of Executive Engineer

SCHEDULE -B

Nar Of Work: Improvements to roads & drains in Krishnegowda Layout & Nrupatunga Road in Ward No 15, T.Dasarahalli

Sl. No	Descrption of Work	Unit	Qty	Sanctioned Rate	
				In Figures (Rs.)	In Wards (Rs.)
1	Dismtling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonary, cement concrete, wood work,steel work, including T&P and scaffolding whereever necessary, sorting the dismanlet material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specification Lime/Cement concrete I. By Manual Means C. Prestressed /Reinforced cement concrete Grade M-20 & above	Cum	146.25	1572.0	
2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.	Cum	58.5	5060.0	
3	Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specifications	Tonne	6.14	67510.0	
4	Removing & Refixing stone slabs of drains and pointing	Sqm	355.5	103.0	
5	Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.	Cum.	203.4	128.0	
6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification	Cum	122.85	6600.0	
7	Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100 m. sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM complete as per specifications	Sqm	1356	124.0	

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8	Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work	Cum	203.4	1868.0	
9	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means. As per MORTH specification	Sqm	1356	25.0	
10	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, Premixed with VG 30 grade bituminous binder & transporting the hot mix to work site laying to the required grade, level and alignment, rolling with smoothwheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specification. Clause 505 of MORTH V revision using 40/60 TPH Capacity H.M.P with Mechanical paver Gr-II (50mm to 75mm)with 4.5% VG-30 Bitumen	Cum	67.8	5345.0	
11	Tack Coat: Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom. complete as per specifications. MORTH Specification	Sqm	3051.2	10.0	
12	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V Revision as per IRC SP-53-2015 using 40-60 TPH capacity HMP with mechanical paver grading II Cum (30-45mm) with 5.4 % of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	170.02	6315.0	
13	Providing and fixing precast RCC slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortar including from work lift charges, curing and concrete finished surface on both side etc.,	sqm	180	1507.0	
14	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading	Cum	203.4	65.0	

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Signature of Contractor

Executive Engineer
Dasarahalli Division

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